

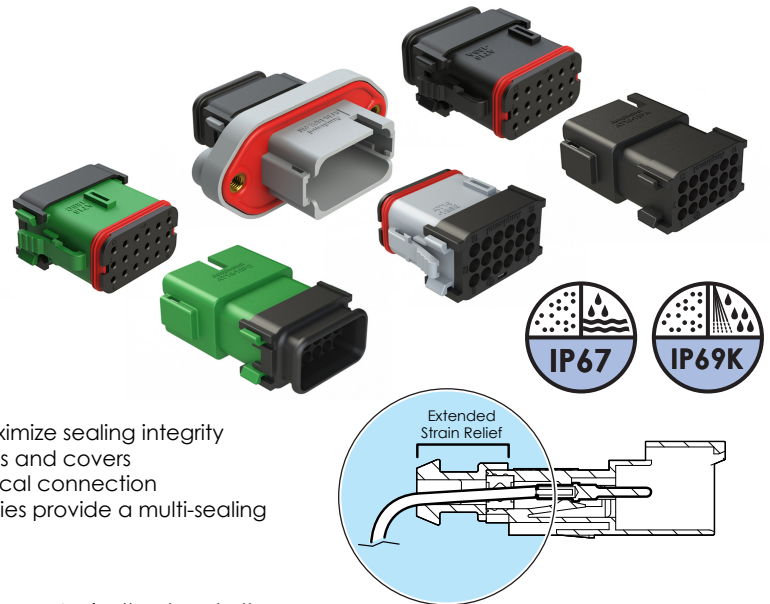


AT ATSeries™

18 Position (AT16-18XX) Heavy-Duty, Multi-Pin, Thermoplastic Connectors

Key Features

- Available in both AT Series™ and PanelMate™ AT Series
- Optional keying configurations A, B, C, D and E (color-specified)
- Extended Strain Relief end cap option protects each wire cavity to maximize sealing integrity
- Plug and receptacle housings are pre-assembled with internal rear seals and covers
- Integrated latch for mating ensures a definitive electrical and mechanical connection
- Superior front and rear environmental seals and seal retention capabilities provide a multi-sealing perimeter against environmental ingress
- Compatible with existing standard products industry-wide



Applications: Heavy Duty, Transportation, Marine, Diagnostic, Alternative Energy, Agricultural and other demanding interconnect architectures.

Operating Temperature	-55°C to +125°C
Max Current Rating (Amperage)	13A
Mating Cycle Durability	>100
IP Rating	IP67/69K (in mated condition)
Wire Range	Size 16 contacts will accept 14-20AWG
Contacts	Available in Machined (up to 13A) and Stamped & Formed (up to 13A); Copper Alloy, Nickel-Plated, Gold plating optional
Housing/Latch Material	Thermoplastic/Integrated latch for mating
Sealing Material	Silicone Rubber
Dielectric Withstanding Voltage	Less than 2 milliamps current leakage @ 1500V AC
Insulation Resistance	1000 megohms minimum at 25°C
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs.
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25 lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector



A ASeries™ Family



Standard products. Custom solutions
Customer Service +1 800 394 7732

AT Series™, 18 Position, Plugs, End Cap, Keyed

Key A			Key B			Key C			Key D			Key E		
Part Number	Strain Relief	Color	Part Number	Strain Relief	Color	Part Number	Strain Relief	Color	Part Number	Strain Relief	Color	Part Number	Strain Relief	Color
AT16-18SA-EK02	No	Grey	AT16-18SB-K004	No	Black	AT16-18SC-EK02	No	Green	AT16-18SD-EK02	No	Brown	AT16-18SE-EK02	No	Grey
AT16-18SA-EKSR02	Yes	Grey	AT16-18SB-SR02	Yes	Black	AT16-18SC-EKSR02	Yes	Green	AT16-18SD-EKSR02	Yes	Brown	AT16-18SE-EKSR02	Yes	Grey
AT16-18SA-K004	No	Black	-	-	-	AT16-18SC-K004	No	Black	AT16-18SD-K004	No	Black	AT16-18SE-K004	No	Black
AT16-18SA-SR02	Yes	Black	-	-	-	AT16-18SC-SR02	Yes	Black	AT16-18SD-SR02	Yes	Black	AT16-18SE-SR02	Yes	Black

AT Series™, 18 Position, Receptacles, End Cap, Keyed

Key A			Key B			Key C			Key D			Key E		
Part Number	Strain Relief	Color	Part Number	Strain Relief	Color	Part Number	Strain Relief	Color	Part Number	Strain Relief	Color	Part Number	Strain Relief	Color
AT16-18PA-EK02	No	Grey	AT16-18PB-K004	No	Black	AT16-18PC-EK02	No	Green	AT16-18PD-EK02	No	Brown	AT16-18PE-EK02	No	Grey
AT16-18PA-EKSR02	Yes	Grey	AT16-18PB-SR02	Yes	Black	AT16-18PC-EKSR02	Yes	Green	AT16-18PD-EKSR02	Yes	Brown	AT16-18PE-EKSR02	Yes	Grey
AT16-18PA-K004	No	Black	-	-	-	AT16-18PC-K004	No	Black	AT16-18PD-K004	No	Black	AT16-18PE-K004	No	Black
AT16-18PA-SR02	Yes	Black	-	-	-	AT16-18PC-SR02	Yes	Black	AT16-18PD-SR02	Yes	Black	AT16-18PE-SR02	Yes	Black

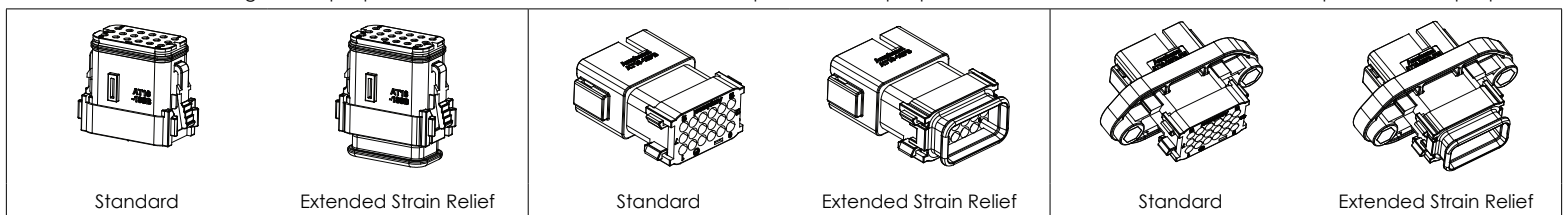
PanelMate™ AT Series, 18 Position, Receptacles, End Cap, Keyed

Key A			Key B			Key C			Key D			Key E		
Part Number	Strain Relief	Color	Part Number	Strain Relief	Color	Part Number	Strain Relief	Color	Part Number	Strain Relief	Color	Part Number	Strain Relief	Color
AT16-18PA-PM11	No	Grey	AT16-18PB-PM11	No	Black	AT16-18PC-PM11	No	Green	AT16-18PD-PM11	No	Brown	AT16-18PE-PM11	No	Grey
AT16-18PA-PM15	Yes	Grey	AT16-18PB-PM15	Yes	Black	AT16-18PC-PM15	Yes	Green	AT16-18PD-PM15	Yes	Brown	AT16-18PE-PM15	Yes	Grey

AT Series™ Plug End Cap Options

AT Series™ Receptacle End Cap Options

PanelMate™ AT Series Receptacle End Cap Options



Contact Removal Tool
AT11-310-1605



An contact removal tool is required for general maintenance or extraction of contacts.

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com